

SURFACE SOILS ONLY
RANGE OF CONCENTRATIONS DETECTED
FOR THE CHEMICALS OF CONCERN
AT SOUTH TACOMA FIELD SITE (mg/kg)

RECEIVED
FEB 12 1992
DUNFORD BRANCH

TSWSF
14.1 v2

CHEMICAL	SWAMP	AIRPORT	DISMANTLING YARD	RAILYARD	TIP	AMSTED
Aluminum		8,770 - 26,600	1,350 - 104,000			9,240 - 27,500
Antimony			4.1U (5.1) - 46.6	4.1U (4.6) - 491		8.4U (4.9) - 43.7
Arsenic	0.73 - 54.4	2.9 - 50.1	2.5 - 696	1.8 - 395		6.1 - 389
Beryllium	0.13 - 1		0.18U (0.21) - 14.4	0.2U (0.21) - 2.7		0.25U (0.53) - 4.4
Cadmium	0.21 - 12.1	0.41U (0.53) - 4	0.39 - 29.9	0.41U (0.45) - 22.6		0.24U (0.35) - 13.4
Chromium III	< 0.0001 - 371	< 0.0001 - 60	< 0.0001 - 127	< 0.0001 - 107		< 0.0001 - 61.1
Chromium VI	< 0.0001	< 0.0001 - 2.4	< 0.0001	< 0.0001		< 0.0001
Chromium, total	14.3 - 501	10.2 - 94.1	2.9 - 707	2.9 - 282		21 - 130
Copper			7.2 - 11,000	11.7 - 13,000		42.2 - 163,000
Lead		6.6 - 1,160	18.1 - 24,000	11.2 - 27,100		32.8U (49.3) - 118,000
Manganese						202 - 21,800
Mercury		0.03U (0.11) - 0.75	0.0085 - 5.3	0.01U (0.11) - 3.7		0.04 - 4.3
Zinc			35.3 - 24,200			49.5 - 61,600
PCBs			0.083U (0.2) - 9.0	0.17U (0.17) - 42.0		
PAHs ^a (carcinogenic)	0.01 - 8.9	0.01 - 3.1	0.01 - 9.9	0.01 - 6.8 ^b	0.01U (0.022) - 2.9	0.01 - 2.2 ^c

^a Results based on analysis of PAH data file for surface soils. Except where footnoted, PAH data in Semivolatile file falls within this range.

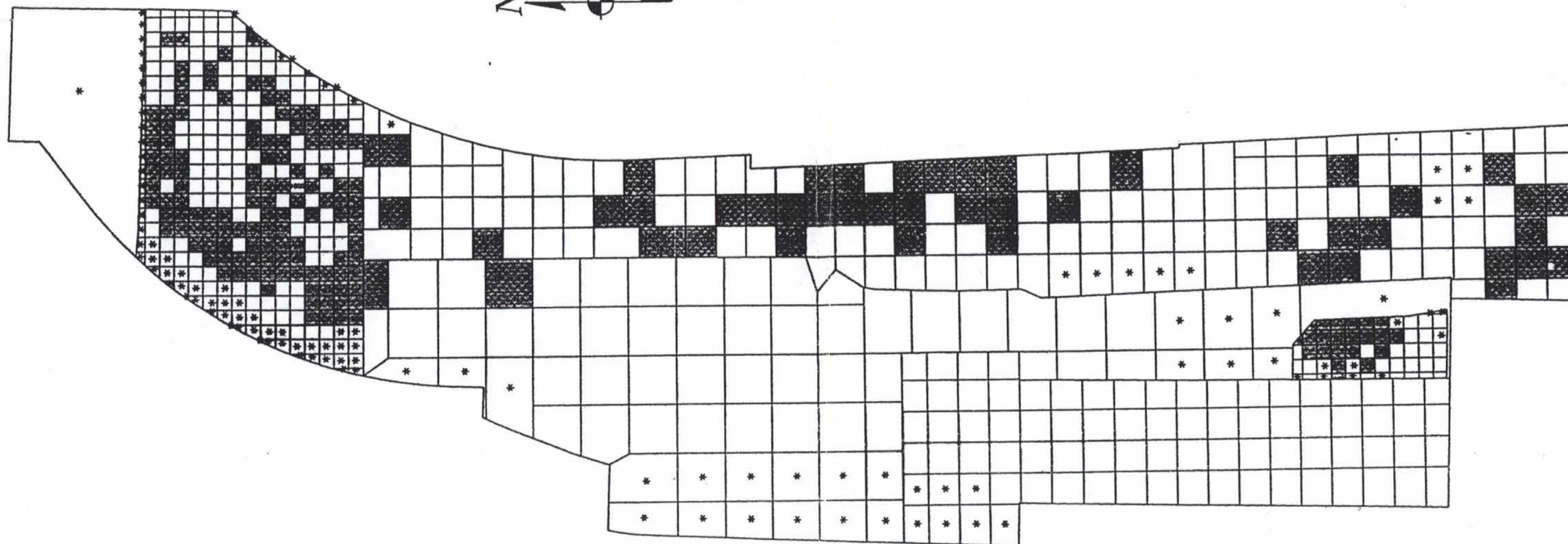
^b Highest detected value from PAH analysis in Semivolatile file is 20 mg/kg.

^c Highest detected value from PAH analysis in Semivolatile file is 3.4 mg/kg.





USEPA SF



1486788



LEGEND

-  LOCATION NOT SAMPLED
OR DATA NOT AVAILABLE
-  0 TO <1000 mg/kg
-  1000 mg/kg
-  >1000 mg/kg



NOTES:

1. THIS CHEMICAL DISTRIBUTION MAP IS AN APPROXIMATE GRAPHICAL REPRESENTATION OF ACTUAL CONDITIONS. THIS PRESENTATION DOES NOT REFLECT RISK TO HUMAN HEALTH OR THE ENVIRONMENT, CLEANUP LEVELS, OR AREAS REQUIRING REMEDIATION.

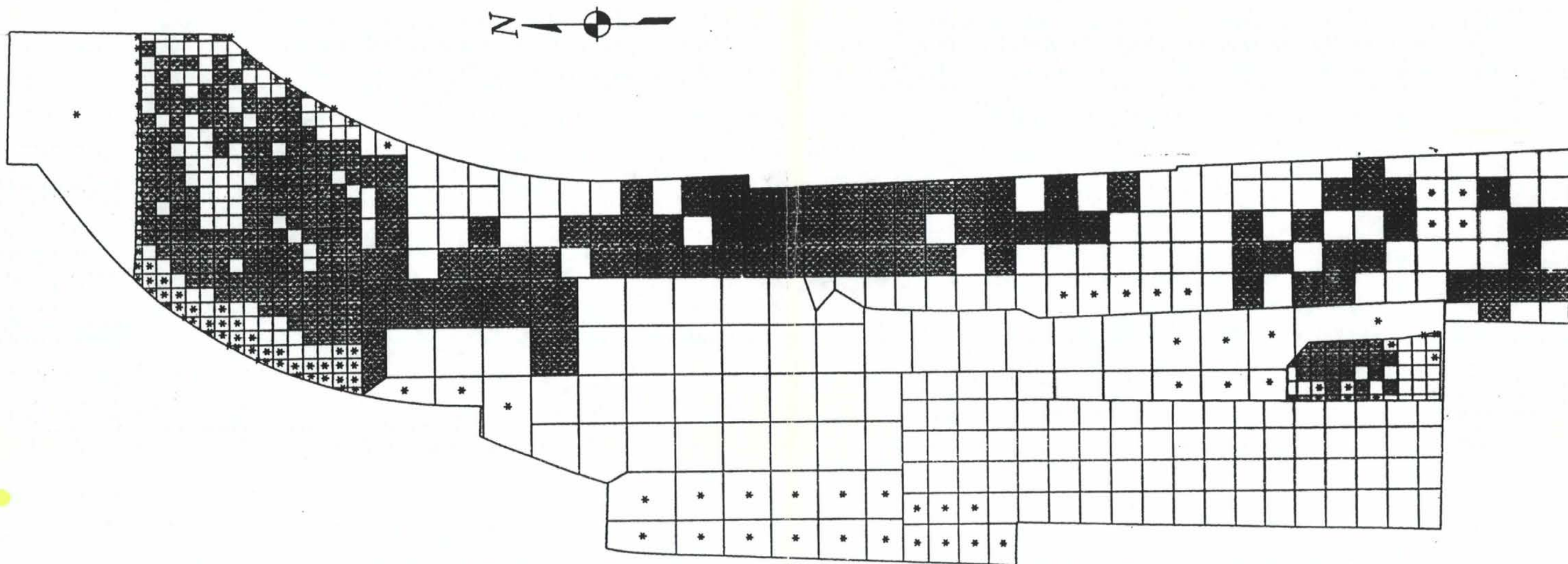
Kennedy/Jenks Consultants

SOUTH TACOMA FIELD
TACOMA, WA

**LEAD DISTRIBUTION (>1000 mg/kg)
SURFACE SOIL INVESTIGATION**

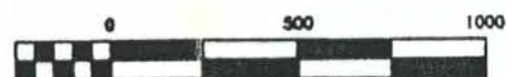
916055.02/P2SK005

FIGURE EPA-2



LEGEND

- * LOCATION NOT SAMPLED
OR DATA NOT AVAILABLE
- 0 TO 500 mg/kg
- >500 mg/kg



SCALE IN FEET

NOTES:

1. THIS CHEMICAL DISTRIBUTION MAP IS AN APPROXIMATE GRAPHICAL REPRESENTATION OF ACTUAL CONDITIONS. THIS PRESENTATION DOES NOT REFLECT RISK TO HUMAN HEALTH OR THE ENVIRONMENT, CLEANUP LEVELS, OR AREAS REQUIRING REMEDIATION.

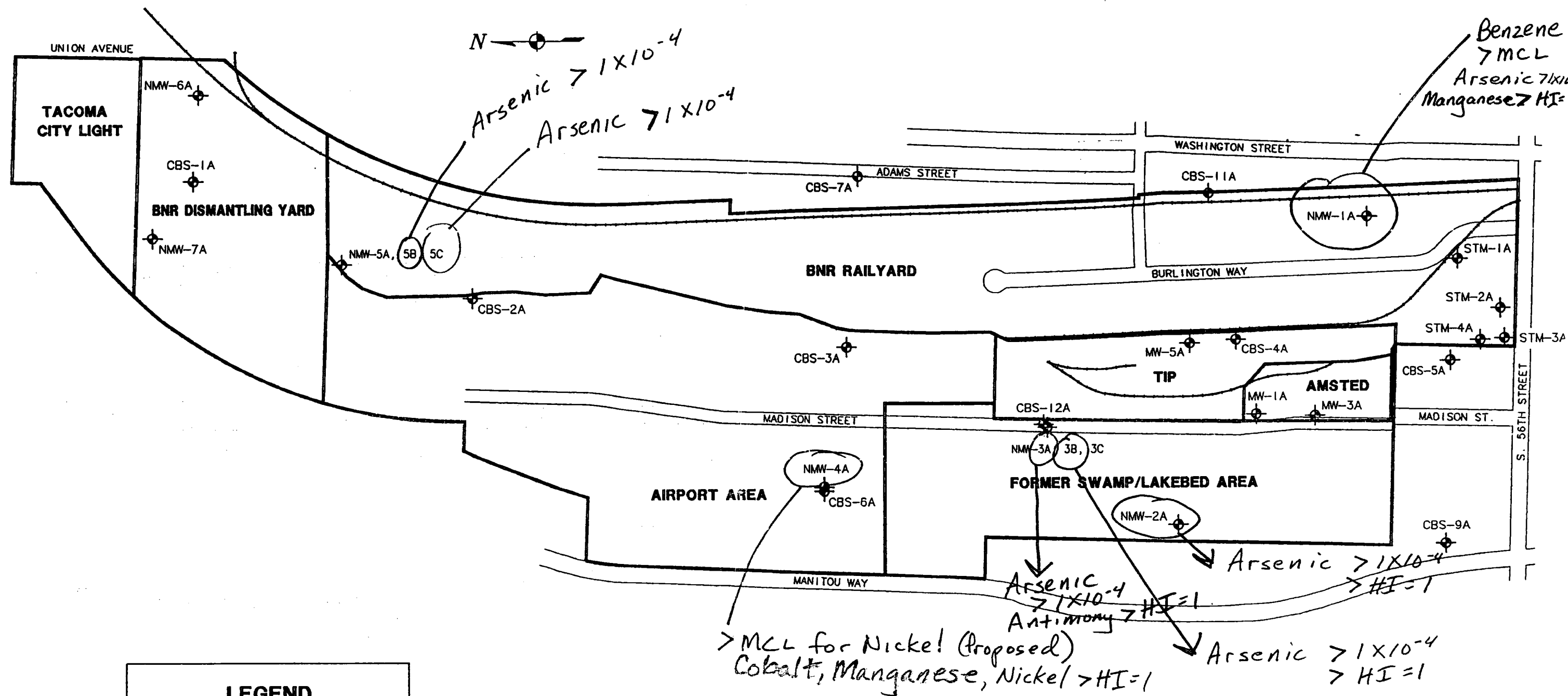
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SOUTH TACOMA FIELD
TACOMA, WA

**LEAD DISTRIBUTION (>500 mg/kg)
SURFACE SOIL INVESTIGATION**

916055.02/P2SK006

FIGURE EPA-1



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SOUTH TACOMA FIELD
TACOMA, WA

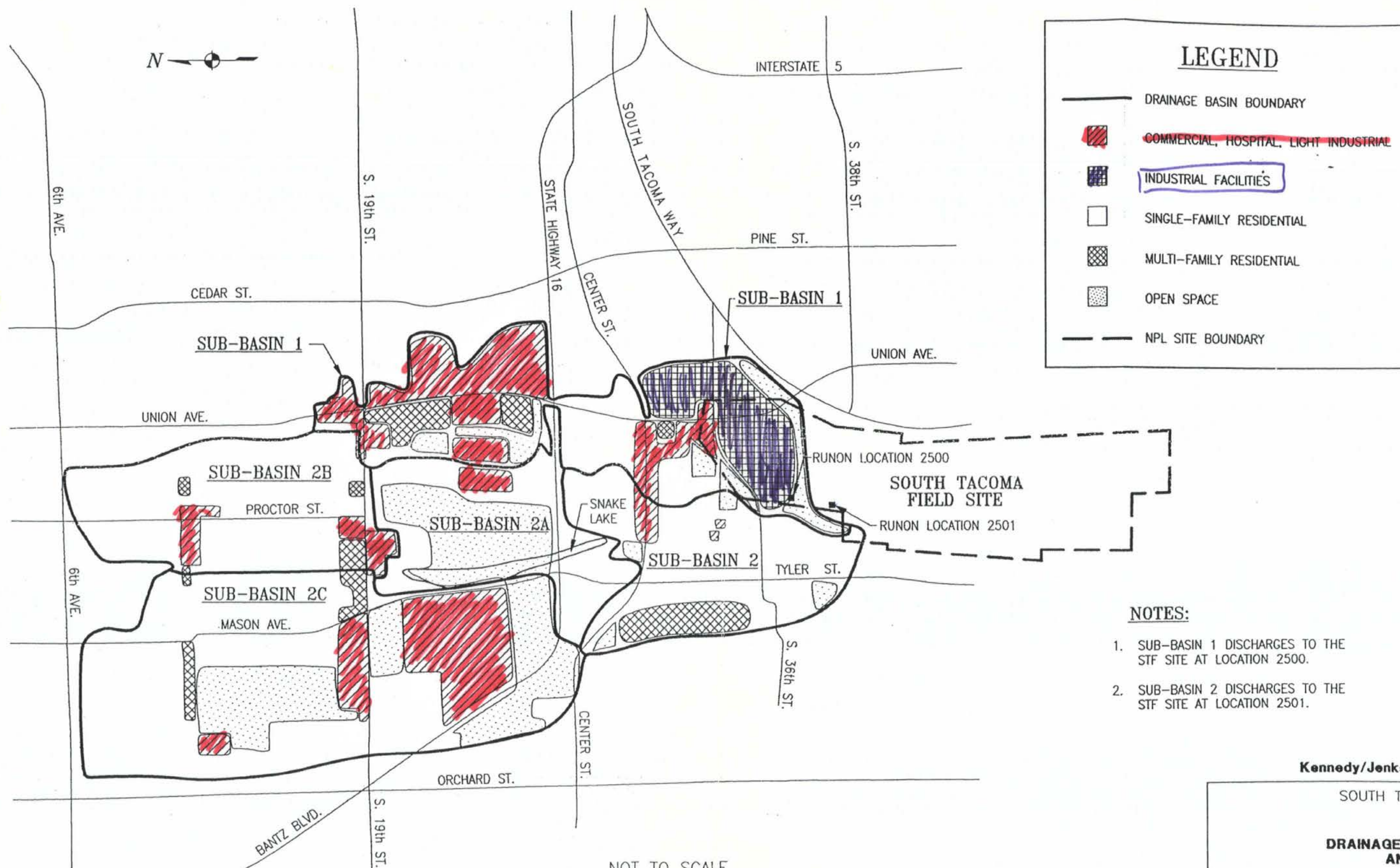
**ONSITE MONITORING
WELL LOCATIONS**

916055.08/P1SK349

FIGURE GW-3

STP
1312

0.11



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SOUTH TACOMA FIELD
TACOMA, WA

**DRAINAGE SUB-BASINS
AND LAND USE**

916055.10/P2SK059

FIGURE SW-4

